Journal of Computational and Applied Mathematics 40 (1992) 365–384
North-Holland



# Master Index to Volumes 31–40

(For the sake of simplicity and uniformity, all names beginning with articles or prepositions are listed as if written as single words.)


| | | | |
|---|---|---|---|
| **Abd-el-Malek, M.B.,** Approximate solution of gravity-affected flow from planar sluice gate at high Froude number | **35** | (1991) | 83– 97 |
| **Abd-el-Malek, M.B.** and **Badran, N.A.,** Group method analysis of steady free-convective laminar boundary-layer flow on a non-isothermal vertical circular cylinder | **36** | (2) (1991) | 227–238 |
| **Abelman, S.** and **Eyre, D.,** A rational basis for second-kind Abel integral equations | **34** | (3) (1991) | 281–290 |
| **Abouir, J.** and **Cuyt, A.,** Error formulas for multivariate rational interpolation and Padé approximation | **31** | (2) (1990) | 233–241 |
| **Abrahamsson, L.,** Orthogonal grid generation for two-dimensional ducts | **34** | (3) (1991) | 305–314 |
| **Afflerbach, L.,** Criteria for the assessment of random number generators | **31** | (1) (1990) | 3– 10 |
| **Ainsworth, M.,** see **Demkowicz, L.** | **36** | (1) (1991) | 29– 63 |
| **Allgower, E.L., Chien, C.-S., Georg, K.** and **Wang, C.-F.,** Conjugate gradient methods for continuation problems | **38** | (1991) | 1– 16 |
| **Allgower, E.L., Georg, K.** and **Widmann, R.,** Volume integrals for boundary element methods | **38** | (1991) | 17– 29 |
| **Anwar, M.N.Y.** and **Koujouk, M.Y.Z.,** Deflection of concentrically supported and eccentrically loaded thin circular plate | **36** | (2) (1991) | 189–207 |
| **Arai, N., Sakaguchi, S., Wada, Y.** and **Ogawa, S.,** Numerical investigation of separated flow around a bent-nose biconic | **35** | (1991) | 99–108 |
| **Argyros, I.K.,** On the convergence of some projection methods with perturbation (*Letter*) | **36** | (2) (1991) | 255–258 |
| **Argyros, I.K.,** Some generalized projection methods for solving operator equations | **39** | (1) (1992) | 1– 6 |
| **Arnold, B.C.,** Logistic and semi-logistic processes | **40** | (2) (1992) | 139–149 |
| **Arriola, E.R., Zarzo, A.** and **Dehesa, J.S.,** Spectral properties of the biconfluent Heun differential equation | **37** | (1991) | 161–169 |
| **Ashkenazi, M., Chow, S.-N.** and **Drachman, B.,** Symbolic computation of normal forms for nonlinear Hamiltonian systems (*Algorithm 34*) | **39** | (3) (1992) | 363–378 |
| **Atkinson, A.C.,** A simulation experiment for comparing tests of regression transformation | **31** | (1) (1990) | 11– 14 |
| **Axelsson, O.,** The method of diagonal compensation of reduced matrix entries and multilevel iteration | **38** | (1991) | 31– 43 |


Elsevier Science Publishers B.V.

**Babovsky, H., Gropengießer, F., Neunzert, H., Struckmeier, J.** and **Wiesen, B.,** Application of well-distributed sequences to the numerical simulation of the Boltzmann equation — **31** (1) (1990) 15– 22
**Badran, N.A.,** see **Abd-el-Malek, M.B.** — **36** (2) (1991) 227–238
**Baker Jr, G.A.** and **Graves-Morris, P.R.,** Definition and uniqueness of integral approximants — **31** (3) (1990) 357–372
**Baltus, C., Cooper, S.C., Craviotto, C.** and **McCabe, J.H.,** On the use of a corresponding sequence algorithm for $\delta$-fractions — **37** (1991) 57– 69
**Banik, N.C.,** see **Gupta, R.S.** — **31** (3) (1990) 351–356
**Bänsch, E.,** An adaptive finite-element strategy for the three-dimensional time-dependent Navier–Stokes equations — **36** (1) (1991) 3– 28
**Barone, P.,** A discrete orthogonal transform based on spherical harmonics — **33** (1) (1990) 29– 34
**Barrlund, A.** and **Kågström, B.,** Analytical and numerical solutions to higher index linear variable coefficient DAE systems — **31** (3) (1990) 305–330
**Barron, R.M.,** see **Hamdan, M.H.** — **39** (3) (1992) 353–361
**Bauwelinckx, T., Labie, E.** and **Goovaerts, M.J.,** A new approach for loaded credibility premiums — **37** (1991) 301–314
**Beckermann, B.,** The structure of the singular solution table of the M-Padé approximation problem — **32** (1–2) (1990) 3– 15
**Beckermann, B.,** A reliable method for computing M-Padé approximants on arbitrary staircases — **40** (1) (1992) 19– 42
**Beckermann, B.,** see **Cabay, S.** — **39** (3) (1992) 295–313
**Beckers, M.** and **Haegemans, A.,** The construction of three-dimensional invariant cubature formulae — **35** (1991) 109–118
**Bellalij, M.,** A simultaneous process for convergence acceleration and error control — **33** (2) (1990) 217–231
**Bellen, A., Vermiglio, R.** and **Zennaro, M.,** Parallel ODE-solvers with stepsize control — **31** (2) (1990) 277–293
**Belmehdi, S.,** On the associated orthogonal polynomials — **32** (3) (1990) 311–319
**Belmehdi, S.,** see **Ronveaux, A.** — **37** (1991) 265–272
**Berndt, B.C.** and **Evans, R.J.,** Some elegant approximations and asymptotic formulas of Ramanujan — **37** (1991) 35– 41
**Berntsen, J., Espelid, T.O.** and **Sørevik, T.,** On the subdivision strategy in adaptive quadrature algorithms — **35** (1991) 119–132
**Bhalla, A.,** see **Nardin, M.** — **39** (2) (1992) 193–200
**Biswas, G.,** see **Karanjai, S.** — **37** (1991) 221–235
**Boersma, J.,** Uniform asymptotics of a Bessel-function series occurring in a transmission-line problem — **37** (1991) 143–159
**Boos, J.** and **Tietz, H.,** Convexity theorems for the circle methods of summability — **40** (2) (1992) 151–155
**Bouleau, N.,** On effective computation of expectations in large or infinite dimension — **31** (1) (1990) 23– 34
**Boutayeb, A.** and **Twizell, E.H.,** Finite-difference methods for twelfth-order boundary-value problems — **35** (1991) 133–138

**Bramson, M.** and **Neuhauser, C.**, A catalytic surface reaction model **40** (2) (1992) 157–161
**Brenier, Y.**, Une méthode particulaire pour les équations non linéaires de diffusion convection en dimension un **31** (1) (1990) 35– 56
**Brezinski, C.**, A direct proof of the Christoffel–Darboux identity and its equivalence to the recurrence relationship **32** (1–2) (1990) 17– 25
**Brezinski, C.** and **Paszkowski, S.**, Optimal linear contractive sequence transformations **38** (1991) 45– 59
**Brezinski, C.** and **Walz, G.**, Sequences of transformations and triangular recursion schemes, with applications in numerical analysis **34** (3) (1991) 361–383
**Broeckx, F.**, see **Van Den Broeck, J.** **37** (1991) 251–264
**Bruaset, A.M.** and **Tveito, A.**, RILU preconditioning; a computational study **39** (3) (1992) 259–275
**Brunner, H., Crisci, M.R., Russo, E.** and **Vecchio, A.**, A family of methods for Abel integral equations of the second kind **34** (2) (1991) 211–219
**Bultheel, A.** and **Van Barel, M.**, Minimal vector Padé approximation **32** (1–2) (1990) 27– 37
**Bultheel, A.**, see **Van Barel, M.** **32** (1–2) (1990) 281–289
**Bultheel, A.**, see **Van Barel, M.** **33** (3) (1990) 331–346
**Butnariu, D.** and **Censor, Y.**, A method for approximating the solution set of a system of convex inequalities by polytopes **36** (3) (1991) 289–304
**Butt, R.**, An existence theory for a minimum energy problem **40** (3) (1992) 253–257
**Butt, R.** and **Rubio, J.E.**, Optimal shape design for a frictionless contact problem **40** (1) (1992) 1– 17

**Cabay, S., Labahn, G.** and **Beckermann, B.**, On the theory and computation of nonperfect Padé–Hermite approximants **39** (3) (1992) 295–313
**Cahlon, B.**, On the numerical stability of Volterra integral equations with delay argument **33** (1) (1990) 97–104
**Cala Rodriguez, F.** and **Wallin, H.**, Padé-type approximants and a summability theorem by Eiermann **39** (1) (1992) 15– 21
**Campbell, L.L.**, Acknowledgement of priority (*Letter*) **34** (1) (1991) 131
**Carstensen, C.**, On a general $\rho$-algorithm **33** (1) (1990) 61– 71
**Casasús, L.**, see **González-Pinto, S.** **35** (1991) 217–225
**Casasús, L.**, see **Pérez-Acosta, F.** **33** (3) (1990) 297–305
**Censor, Y.**, see **Butnariu, D.** **36** (3) (1991) 289–304
**Chen, X.** and **Yamamoto, T.**, PCG methods applied to a system of nonlinear equations **38** (1991) 61– 75
**Chettab, M.** and **Lubuma, M.-S.**, Coefficients of singularities and mixed methods for the mixed Dirichlet–Neumann problem for the Stokes operator on a polygon **35** (1991) 139–157
**Chien, C.-S.**, see **Allgower, E.L.** **38** (1991) 1– 16
**Chow, S.-N.**, see **Ashkenazi, M.** **39** (3) (1992) 363–378

**Christiansen, E.** and **Kortanek, K.O.**, Computation of the collapse state in limit analysis using the LP primal affine scaling algorithm **34** (1) (1991) 47– 63
**Christiansen, S.**, A stability analysis of a Eulerian solution method for moving boundary problems in electrochemical machining **33** (3) (1990) 269–296
**Chronopoulos, A.T.**, Nonlinear CG-like iterative methods **40** (1) (1992) 73– 89
**Cooper, S.C., Jones, W.B.** and **Thron, W.J.**, Orthogonal Laurent-polynomials and continued fractions associated with log-normal distributions **32** (1–2) (1990) 39– 46
**Cooper, S.C.**, see **Baltus, C.** **37** (1991) 57– 69
**Cortelazzo, G., De Simone, C.** and **Mian, G.A.**, An algorithm for simultaneous magnitude and phase approximation of bivariate rational polynomials **34** (2) (1991) 145–160
**Craviotto, C.**, see **Baltus, C.** **37** (1991) 57– 69
**Crisci, M.R.**, see **Brunner, H.** **34** (2) (1991) 211–219
**Cruz, A., Esparza, J.** and **Sesma, J.**, Zeros of the Hankel function of real order out of the principal Riemann sheet **37** (1991) 89– 99
**Cuyt, A.**, A multivariate convergence theorem of the "de Montessus de Ballore" type **32** (1–2) (1990) 47– 57
**Cuyt, A.**, see **Abouir, J.** **31** (2) (1990) 233–241

**Dagnino, C.** and **Santi, E.**, Spline product quadrature rules for Cauchy singular integrals **33** (2) (1990) 133–140
**Dagnino, C.** and **Santi, E.**, On the convergence of spline product quadratures for Cauchy principal value integrals **36** (2) (1991) 181–187
**Dargahi-Noubary, G.R.** and **Nanthakumar, A.**, Stress-strength reliability for designs based on large historic values of stress **40** (1) (1992) 43– 53
**De Bruin, M.G.**, Polynomials orthogonal on a circular arc **31** (2) (1990) 253–266
**De Doelder, P.J.**, On some series containing $\psi(x) - \psi(y)$ and $(\psi(x) - \psi(y))^2$ for certain values of $x$ and $y$ **37** (1991) 125–141
**De Freitas Pinto, R.L.U.** and **Rios Neto, A.**, An optimal linear estimation approach to solve systems of linear algebraic equations **33** (3) (1990) 261–268
**Dehesa, J.S.**, see **Arriola, E.R.** **37** (1991) 161–169
**Dehesa, J.S.**, see **Zarzo, A.** **33** (1) (1990) 85– 96
**De Matteis, A., Eichenauer-Herrmann, J.** and **Grothe, H.**, Computation of critical distances within multiplicative congruential pseudorandom number sequences **39** (1) (1992) 49– 55
**De Meyer, H., Vanthournout, J., Vanden Berghe, G.** and **Vanderbauwhede, A.**, On the error estimation for a mixed type of interpolation **32** (3) (1990) 407–415
**De Meyer, H.**, see **Vanden Berghe, G.** **31** (3) (1990) 331–349
**De Meyer, H.**, see **Vanden Berghe, G.** **37** (1991) 179–186
**Demkowicz, L., Oden, J.T., Ainsworth, M.** and **Geng, P.**, Solution of elastic scattering problems in linear acoustics using *h-p* boundary element methods **36** (1) (1991) 29– 63

**De Oliveira, P.,** On the characterization of finite differences "optimal" meshes **36** (2) (1991) 137–148
**De Roeck, Y.H.,** see **Le Tallec, P.** **34** (1) (1991) 93–117
**Descloux, J., Jaccard, Y.** and **Romerio, M.V.,** A bidimensional stability result for aluminium electrolytic cells **38** (1991) 77– 85
**De Simone, C.,** see **Cortelazzo, G.** **34** (2) (1991) 145–160
**De Zeeuw, P.M.,** Matrix-dependent prolongations and restrictions in a blackbox multigrid solver **33** (1) (1990) 1– 27
**Dick, E.,** Second-order formulation of a multigrid method for steady Euler equations through defect-correction **35** (1991) 159–168
**Drachman, B.,** see **Ashkenazi, M.** **39** (3) (1992) 363–378
**Draux, A.** and **Maanaoui, A.,** Vector orthogonal polynomials **32** (1–2) (1990) 59– 68
**Drmota, M.,** Applications of uniformly distributed functions and sequences in statistic ergodic measuring techniques **31** (1) (1990) 57– 62
**Dyn, N., Levin, D.** and **Rippa, S.,** Boundary correction for piecewise linear interpolation defined over data-dependent triangulations **39** (2) (1992) 179–192

**Eddy, W.F.,** Random number generators for parallel processors **31** (1) (1990) 63– 71
**Eichenauer-Herrmann, J.,** Construction of inversive congruential pseudorandom number generators with maximal period length **40** (3) (1992) 345–349
**Eichenauer-Herrmann, J.** and **Grothe, H.,** Upper bounds for the Beyer ratios of linear congruential generators **31** (1) (1990) 73– 80
**Eichenauer-Herrmann, J., Grothe, H., Niederreiter, H.** and **Topuzoğlu, A.,** On the lattice structure of a nonlinear generator with modulus $2^{\alpha}$ **31** (1) (1990) 81– 85
**Eichenauer-Herrmann, J.** and **Niederreiter, H.,** On the discrepancy of quadratic congruential pseudorandom numbers **34** (2) (1991) 243–249
**Eichenauer-Herrmann, J.** and **Topuzoğlu, A.,** On the period length of congruential pseudorandom number sequences generated by inversions **31** (1) (1990) 87– 96
**Eichenauer-Herrmann, J.,** see **De Matteis, A.** **39** (1) (1992) 49– 55
**Ekhad, S.B.,** A one-line proof of the Habsieger–Zeilberger $G_2$ constant term identity (*Letter*) **34** (1) (1991) 133–134
**El-Deen Mohamedein, M.Sh.,** see **Elzoheiry, H.** **34** (2) (1991) 161–170
**El Tarazi, M.N.** and **Sallam, S.,** Interpolation by quadratic spline with periodic derivative on uniform meshes **33** (3) (1990) 307–314
**Elzoheiry, H., Iskandar, L.** and **El-Deen Mohamedein, M.Sh.,** Iterative implicit schemes for the two- and three-dimensional Sine–Gordon equation **34** (2) (1991) 161–170
**Engl, H.W.** and **Hodina, G.,** Uniform convergence of regularization methods for linear ill-posed problems **38** (1991) 87–103
**Epperson, J.F.,** A kernel-based method for parabolic equations with nonlinear convection terms **36** (3) (1991) 275–288

**Epperson, J.F.,** Fast direct solvers for the heat equation in simple geometries **39** (2) (1992) 213–225
**Esparza, J.,** see **Cruz, A.** **37** (1991) 89– 99
**Espelid, T.O.,** see **Berntsen, J.** **35** (1991) 119–132
**Evans, R.J.,** see **Berndt, B.C.** **37** (1991) 35– 41
**Extremera, A.,** Semiclassical treatment of the path-integral approach to special effects in superconductivity **37** (1991) 71– 79
**Eyre, D.,** see **Abelman, S.** **34** (3) (1991) 281–290

**Fack, V.** and **Van der Jeugt, J.,** Algorithms for generating labelled graphs with given degree **37** (1991) 187–194
**Fang, S.C., Peterson, E.L.** and **Rajasekera, J.R.,** Minimum cross-entropy analysis with entropy-type constraints **39** (2) (1992) 165–178
**Faure, H.,** Using permutations to reduce discrepancy **31** (1) (1990) 97–103
**Fearn, D.R.,** Eigensolutions of boundary value problems using inverse iteration **34** (2) (1991) 201–209
**Field, D.A.,** Convergence rates for Padé-based iterative solutions of equations **32** (1–2) (1990) 69– 75
**Fischer, H.,** Automatic differentiation of the vector that solves a parametric linear system **35** (1991) 169–184
**Fitzsimons, C.J.,** A class of finite-element methods for singularly perturbed second-order differential equations **34** (3) (1991) 269–280
**Ford, J.A.** and **Ghandhari, R.-A.,** On the use of curvature estimates in quasi-Newton methods **35** (1991) 185–196
**Ford, J.A.** and **Saadallah, A.F.,** On the conditioning of the Hessian approximation in quasi-Newton methods **35** (1991) 197–206
**Ford, W.F.,** see **Sidi, A.** **32** (1–2) (1990) 261–272
**Frommer, A.,** Generalized nonlinear diagonal dominance and applications to asynchronous iterative methods **38** (1991) 105–124
**Fujima, S.,** see **Tabata, M.** **38** (1991) 411–424
**Fujino, S., Mori, M.** and **Takeuchi, T.,** Performance of hyperplane ordering on vector computers **38** (1991) 125–136
**Fujino, S.,** see **Sugihara, M.** **35** (1991) 33– 51
**Fujishiro, I.,** see **Ikebe, Y.** **38** (1991) 169–184
**Fukushima, M.,** see **Sagara, N.** **36** (2) (1991) 149–157
**Fushimi, M.,** Random number generation with the recursion $X_t = X_{t-3p} \oplus X_{t-3q}$ **31** (1) (1990) 105–118

**Gabr, M.M.,** Nonlinearity tests for bilinear systems **40** (3) (1992) 313–322
**Gabutti, B., Kalla, S.L.** and **Hubbell, J.H.,** Some expansions related to the Hubbell rectangular-source integral **37** (1991) 273–285
**Gabutti, B.** and **Sacripante, L.,** Numerical inversion of the Mellin transform by accelerated series of Laguerre polynomials **34** (2) (1991) 191–200
**Galiev, V.I., Polupanov, A.F.** and **Shparlinski, I.E.,** On the construction of solutions of systems of linear ordinary differential equations in the neighbourhood of a regular singularity **39** (2) (1992) 151–163

**Galperin, A.** and **Waksman, Z.**, Newton's method under a weak smoothness assumption — **35** (1991) 207–215
**Gao, J.**, A new finite element of $C^1$ cubic splines — **40** (3) (1992) 305–312
**Gasca, M.** and **Martínez, J.J.**, On the solvability of bivariate Hermite–Birkhoff interpolation problems — **32**(1–2) (1990) 77– 82
**Gautschi, W.** and **Li, S.**, The remainder term for analytic functions of Gauss–Radau and Gauss–Lobatto quadrature rules with multiple end points — **33** (3) (1990) 315–329
**Gautschi, W.** and **Li, S.**, Gauss–Radau and Gauss-Lobatto quadratures with double end points — **34** (3) (1991) 343–360
**Gear, C.W.**, Waveform methods for space and time parallelism — **38** (1991) 137–147
**Geng, P.**, see **Demkowicz, L.** — **36** (1) (1991) 29– 63
**Gentle, J.E.**, Computer implementation of random number generators — **31** (1) (1990) 119–125
**Georg, K.**, see **Allgower, E.L.** — **38** (1991) 1– 16
**Georg, K.**, see **Allgower, E.L.** — **38** (1991) 17– 29
**Germain-Bonne, B.**, Convergence acceleration of number-machine sequences — **32**(1–2) (1990) 83– 88
**Ghandhari, R.-A.**, see **Ford, J.A.** — **35** (1991) 185–196
**Gill, J.**, Complex dynamics of the limit periodic system $F_n(z) = F_{n-1}(f_n(z))$, $f_n \to f$ — **32**(1–2) (1990) 89– 96
**Godoy, E.**, see **Marcellán, F.** — **37** (1991) 195–208
**Gong, J.**, see **Papamichael, N.** — **34** (3) (1991) 325–342
**González-Pinto, S.**, **Casasús, L.** and **González-Vera, P.**, A numerical scheme to approximate the solution of a singularly perturbed nonlinear differential equation — **35** (1991) 217–225
**González-Vera, P.** and **Njåstad, O.**, Convergence of two-point Padé approximants to series of Stieltjes — **32**(1–2) (1990) 97–105
**González-Vera, P.** and **Njåstad, O.**, Szegö functions and multipoint Padé approximation — **32**(1–2) (1990) 107–116
**González-Vera, P.**, see **González-Pinto, S.** — **35** (1991) 217–225
**Goovaerts, M.J.**, Path-integral evaluation for the three-dimensional potential $\gamma\delta(r-a)$ — **37** (1991) 113–124
**Goovaerts, M.J.**, see **Bauwelinckx, T.** — **37** (1991) 301–314
**Goyal, A.**, see **Iyengar, S.R.K.** — **33** (2) (1990) 163–169
**Grassmann, W.K.**, see **Taksar, M.I.** — **36** (2) (1991) 131–136
**Graves-Morris, P.R.**, Solution of integral equations using generalised inverse, function-valued Padé approximants, I — **32**(1–2) (1990) 117–124
**Graves-Morris, P.R.** and **Saff, E.B.**, An extension of a row convergence theorem for vector Padé approximants — **34** (3) (1991) 315–324
**Graves-Morris, P.R.**, see **Baker Jr, G.A.** — **31** (3) (1990) 357–372
**Gray, L.J.** and **Lutz, E.**, On the treatment of corners in the boundary element method — **32** (3) (1990) 369–386
**Groetsch, C.W.**, A simple numerical model for nonlinear warming of a slab — **38** (1991) 149–156

**Gropengießer, F.**, see **Babovsky, H.** **31** (1) (1990) 15– 22
**Grosjean, C.C.**, Deducing infinitely many mutually related sequences of orthogonal polynomials from solutions of first-order initial-value problems: An illustrative example **35** (1991) 227–250
**Grosjean, C.C.**, Curriculum vitae **37** (1991) 3– 4
**Grosjean, C.C.**, On a formula proposed by S. Ramanujan **37** (1991) 43– 56
**Grosjean, C.C.** and **Srivastava, H.M.**, Some transformation and reduction formulas for hypergeometric series in several variables **37** (1991) 287–299
**Gross, A.** and **Robertson, J.B.**, Ergodic properties of stationary Poisson sequences **40** (2) (1992) 163–175
**Grothe, H.**, see **De Matteis, A.** **39** (1) (1992) 49– 55
**Grothe, H.**, see **Eichenauer-Herrmann, J.** **31** (1) (1990) 73– 80
**Grothe, H.**, see **Eichenauer-Herrmann, J.** **31** (1) (1990) 81– 85
**Gupta, R.S.** and **Banik, N.C.**, Solution of a weakly two-dimensional melting problem by an approximate method **31** (3) (1990) 351–356
**Hadjidimos, A.** and **Neumann, M.**, Convergence domains of the SSOR method for a class of generalized consistently ordered matrices **33** (1) (1990) 35– 52
**Haegemans, A.**, see **Beckers, M.** **35** (1991) 109–118
**Hamdan, M.H.** and **Barron, R.M.**, Applications of von Mises coordinates in porous media flow **39** (3) (1992) 353–361
**Han, W.**, A note on a relaxation Schwarz alternating method (*Letter*) **34** (1) (1991) 125–130
**Han, W.**, Notes on "A separation of the variables method for solving coupled systems of second-order partial differential equations: exact, approximate solutions and error bounds" (*Letter*) **36** (2) (1991) 259–263
**Hanna, S.N.**, Stability of periodic plane wave solutions of wave equations **34** (1) (1991) 41– 46
**Hanna, S.N.**, Letter **36** (2) (1991) 274
**Hanschke, Th.**, Characterization of antidominant solutions of linear differential equations **40** (3) (1992) 351–361
**Hart, W.E.** and **Soesianto, F.**, On the solution of highly structured nonlinear equations **40** (3) (1992) 285–296
**Hasegawa, T.** and **Torii, T.**, Application of a modified FFT to product type integration **38** (1991) 157–168
**Hayek, N.**, see **Pérez-Acosta, F.** **33** (3) (1990) 297–305
**Hemker, P.W.**, On the order of prolongations and restrictions in multigrid procedures (*Letter*) **32** (3) (1990) 423–429
**Hendriksen, E.**, Associated Jacobi–Laurent polynomials **32** (1–2) (1990) 125–141
**Hendriksen, E.**, A weight function for the associated Jacobi–Laurent polynomials **33** (2) (1990) 171–180
**Herceg, D., Martins, M.M.** and **Trigo, M.E.**, Extended convergence area for the (MSOR) method **33** (2) (1990) 123–132

**Herceg, D.**, see **Petković, M.** **39** (2) (1992) 243–258
**Heusser, C.**, Conjugate gradient-type algorithms for a finite-element discretization of the Stokes equations **39** (1) (1992) 23– 37
**Higham, D.J.**, Monotonic piecewise cubic interpolation, with applications to ODE plotting **39** (3) (1992) 287–294
**Hinsen, G.**, Explicit irregular sampling formulas **40** (2) (1992) 177–198
**Hodina, G.**, see **Engl, H.W.** **38** (1991) 87–103
**Hovstad, R.M.**, Continued fractions and irrational functions **33** (2) (1990) 157–162
**Hsiao, G.C.**, **Stephan, E.P.** and **Wendland, W.L.**, On the Dirichlet problem in elasticity for a domain exterior to an arc **34** (1) (1991) 1– 19
**Hubbell, J.H.**, see **Gabutti, B.** **37** (1991) 273–285
**Hughes, J.W.B.** and **Van der Jeugt, J.**, Unimodal polynomials associated with Lie algebras and superalgebras **37** (1991) 81– 88

**Ifantis, E.K.**, **Kokologiannaki, C.G.** and **Kouris, C.B.**, On the positive zeros of the second derivative of Bessel functions **34** (1) (1991) 21– 31
**Ikebe, Y.**, **Kikuchi, Y.** and **Fujishiro, I.**, Computing zeros and orders of Bessel functions **38** (1991) 169–184
**Ishihara, K.**, Projected successive overrelaxation method for finite-element solutions to the Dirichlet problem for a system of nonlinear elliptic equations **38** (1991) 185–200
**Iskandar, L.**, see **Elzoheiry, H.** **34** (2) (1991) 161–170
**Iso, Y.** and **Onishi, K.**, On the stability of the boundary element collocation method applied to the linear heat equation **38** (1991) 201–209
**Iyengar, S.R.K.** and **Goyal, A.**, A note on multigrid for the three-dimensional Poisson equation in cylindrical coordinates **33** (2) (1990) 163–169

**Jaccard, Y.**, see **Descloux, J.** **38** (1991) 77– 85
**Janovský, V.** and **Plecháč, P.**, Asymptotic analysis of perturbed Takens–Bogdanov points **36** (3) (1991) 349–359
**Jansche, S.** and **Stens, R.L.**, Best weighted polynomial approximation on the real line; a functional-analytic approach **40** (2) (1992) 199–213
**Janssen, H.L.** and **Lambert, H.L.**, Recursive construction of particular solutions to nonhomogeneous linear partial differential equations of elliptic type **39** (2) (1992) 227–242
**Jbilou, Kh.** and **Sadok, H.**, Some results about vector extrapolation methods and related fixed-point iterations **36** (3) (1991) 385–398
**Jękot, T.**, Spectral methods for nonlinear thermostatic bimetal **35** (1991) 251–258
**Jerome, J.W.**, Numerical approximation of PDE system fixed-point maps via Newton's method **38** (1991) 211–230
**Jiang, H.** and **Wong, Y.S.**, A parallel alternating direction implicit preconditioning method **36** (2) (1991) 209–226
**Jiang, S.**, An uncoupled numerical scheme for the equations of nonlinear one-dimensional thermoelasticity **34** (2) (1991) 135–144

**Jódar, L.,** A separation of the variables method for solving coupled systems of second-order partial differential equations: exact, approximate solutions and error bounds **31** (2) (1990) 243–251
**Jódar, L.,** Closed-form solutions for boundary value coupled differential and difference systems **35** (1991) 259–268
**Jódar, L.,** Explicit closed-form solution of coupled systems of Volterra integrodifferential systems **36** (3) (1991) 339–348
**Jódar, L.** and **Navarro, E.,** Exact computable solution of a class of strongly coupled Riccati equations (*Letter*) **36** (2) (1991) 265–271
**Jódar, L.** and **Navarro, E.,** Solving coupled systems of linear second-order differential equations knowing a part of the spectrum of the companion matrix (*Letter*) **39** (1) (1992) 115–119
**Joe, S.,** Randomization of lattice rules for numerical multiple integration (*Letter*) **31** (2) (1990) 299–304
**Jones, W.B., Magnus, A., McCabe, J.H.** and **Wyshinski, N.J.,** Asymptotic properties of a family of orthogonal polynomial sequences **32** (1–2) (1990) 143–151
**Jones, W.B., Njåstad, O.** and **Saff, E.B.,** Szegö polynomials associated with Wiener–Levinson filters **32** (3) (1990) 387–406
**Jones, W.B.,** see **Cooper, S.C.** **32** (1–2) (1990) 39– 46

**Kachitvichyanukul, V.,** see **Schmeiser, B.** **31** (1) (1990) 173–180
**Kågström, B.,** see **Barrlund, A.** **31** (3) (1990) 305–330
**Kahaner, D.K., Ng, E., Schiesser, W.E.** and **Thompson, S.,** Experiments with an ordinary differential equation solver in the parallel solution of method of lines problems on a shared-memory parallel computer **38** (1991) 231–253
**Kalla, S.L.,** see **Gabutti, B.** **37** (1991) 273–285
**Kalla, S.L.,** see **Steinacker, U.** **35** (1991) 297–301
**Kametaka, Y.,** On counting functions of self-similar sequences **38** (1991) 255–262
**Karageorghis, A.** and **Phillips, T.N.** On efficient direct methods for conforming spectral domain decomposition techniques **33** (2) (1990) 141–155
**Karanjai, S.** and **Biswas, G.,** Time-dependent scattering and transmission functions **37** (1991) 221–235
**Karlberg, L.** and **Wallin, H.,** Padé type approximants and orthogonal polynomials for Markov–Stieltjes functions **32** (1–2) (1990) 153–157
**Karlsson, P.W.,** Inductance and hypergeometric functions **37** (1991) 171–177
**Kaufman, L.,** see **Van Den Broeck, J.** **37** (1991) 251–264
**Kemp, A.W.,** Patchwork rejection algorithms **31** (1) (1990) 127–131
**Kemp, C.D.,** New algorithms for generating Poisson variates **31** (1) (1990) 133–137
**Kikuchi, Y.,** see **Ikebe, Y.** **38** (1991) 169–184
**Kirkland, M.D.,** see **Ripley, B.D.** **31** (1) (1990) 165–172
**Kitagawa, T.,** Asymptotic stability of the fundamental solution method **38** (1991) 263–269
**Klempous, R.** and **Kotowski, J.,** Nonlinear transport network design **35** (1991) 269–275

**Kokologiannaki, C.G., Siafarikas, P.D.** and **Kouris, C.B.,** On the complex zeros of $H_\mu(z)$, $J'_\mu(z)$, $J''_\mu(z)$ for real or complex order **40** (3) (1992) 337–344
**Kokologiannaki, C.G.,** see **Ifantis, E.K.** **34** (1) (1991) 21– 31
**Kortanek, K.O.,** see **Christiansen, E.** **34** (1) (1991) 47– 63
**Kotowski, J.,** see **Klempous, R.** **35** (1991) 269–275
**Koujouk, M.Y.Z.,** see **Anwar, M.N.Y.** **36** (2) (1991) 189–207
**Kouris, C.B.,** see **Ifantis, E.K.** **34** (1) (1991) 21– 31
**Kouris, C.B.,** see **Kokologiannaki, C.G.** **40** (3) (1992) 337–344
**Kuang, J.** and **Lu, L.,** Two classes of finite-difference methods for generalized sine-Gordon equations **31** (3) (1990) 389–396

**Labahn, G.,** see **Cabay, S.** **39** (3) (1992) 295–313
**Labie, E.,** see **Bauwelinckx, T.** **37** (1991) 301–314
**Ladopoulos, E.G.,** see **Zisis, V.A.** **31** (2) (1990) 227–232
**Laforgia, A.,** Bounds for modified Bessel functions **34** (3) (1991) 263–267
**Lahtinen, A.,** On the choice of parameters in shape-preserving quadratic spline interpolation (*Letter*) **39** (1) (1992) 109–113
**Lambert, H.L.,** see **Janssen, H.L.** **39** (2) (1992) 227–242
**Laurent-Gengoux, P.** and **Trystram, D.,** A new presentation of the conjugate direction algorithm (*Letter*) **32** (3) (1990) 417–422
**Laurie, D.P.,** Solving the inverse eigenvalue problem via the eigenvector matrix **35** (1991) 277–289
**Lê, T.H.,** see **Troff, B.** **35** (1991) 311–318
**Le Tallec, P., De Roeck, Y.H.** and **Vidrascu, M.,** Domain decomposition methods for large linearly elliptic three-dimensional problems **34** (1) (1991) 93–117
**Lether, F.G.** and **Wenston, P.R.,** The numerical computation of the Voigt function by a corrected midpoint quadrature rule for $(-\infty, \infty)$ **34** (1) (1991) 75– 92
**Leubner, C.,** see **Steinacker, U.** **35** (1991) 297–301
**Levin, D.,** see **Dyn, N.** **39** (2) (1992) 179–192
**Levrie, P.,** On the relationship between generalised continued fractions and $G$-continued fractions **32** (1–2) (1990) 159–167
**Lewanowicz, S.,** Evaluation of Bessel function integrals with algebraic singularities **37** (1991) 101–112
**Li, L.-Q.,** see **Liang, X.-Z.** **38** (1991) 271–282
**Li, S.,** see **Gautschi, W.** **33** (3) (1990) 315–329
**Li, S.,** see **Gautschi, W.** **34** (3) (1991) 343–360
**Liang, X.-Z.** and **Li, L.-Q.,** On bivariate osculatory interpolation **38** (1991) 271–282
**Litvinchev, I.S.,** Iterative aggregation method for constrained optimal control problems **39** (3) (1992) 315–328
**Liu, C., Liu, Z.** and **McCormick, S.,** Multilevel adaptive methods for incompressible flow in grooved channels **38** (1991) 283–295
**Liu, Z.,** see **Liu, C.** **38** (1991) 283–295

**Lloyd, N.G.** and **Pearson, J.M.,** Computing centre conditions for certain cubic systems **40** (3) (1992) 323–336
**Lorentzen, L.,** Compositions of contractions **32** (1–2) (1990) 169–178
**Lorentzen, L.,** Bestness of the parabola theorem for continued fractions **40** (3) (1992) 297–304
**Lu, L.,** Numerical stability of the $\theta$-methods for systems of differential equations with several delay terms **34** (3) (1991) 291–304
**Lu, L.,** see **Kuang, J.** **31** (3) (1990) 389–396
**Lubuma, M.-S.,** see **Chettab, M.** **35** (1991) 139–157
**Lutz, E.,** see **Gray, L.J.** **32** (3) (1990) 369–386

**Maanaoui, A.,** see **Draux, A.** **32** (1–2) (1990) 59– 68
**Magnus, A.,** see **Jones, W.B.** **32** (1–2) (1990) 143–151
**Magolu, M.-M.,** Lower eigenvalue bounds for singular pencils of matrices **39** (3) (1992) 329–351
**Maleknejad, K.,** Numerical experimentation with time-series methods for convolution integral equation **31** (2) (1990) 211–225
**Maraner, P., Onofri, E.** and **Tecchiolli, G.P.,** Spectral methods in computational quantum mechanics **37** (1991) 209–219
**Marcellán, F.** and **Godoy, E.,** Orthogonal polynomials on the unit circle: distribution of zeros **37** (1991) 195–208
**Marcellán, F.,** see **Ronveaux, A.** **37** (1991) 265–272
**Marletta, M.** and **Pryce, J.D.,** Automatic solution of Sturm–Liouville problems using the Pruess method **39** (1) (1992) 57– 78
**Martínez, J.J.,** see **Gasca, M.** **32** (1–2) (1990) 77– 82
**Martínez, J.M.,** Quasi-Newton methods for solving underdetermined nonlinear simultaneous equations **34** (2) (1991) 171–190
**Martins, M.M.,** see **Herceg, D.** **33** (2) (1990) 123–132
**Marzulli, P.,** Global error estimates for the standard parallel shooting method **34** (2) (1991) 233–241
**Masani, P.R.,** The measure-theoretic aspects of entropy, Part I **40** (2) (1992) 215–232
**Mastroianni, G.** and **Nevai, P.,** Mean convergence of derivatives of Lagrange interpolation **34** (3) (1991) 385–396
**Matar, S.A.,** see **Twizell, E.H.** **40** (1) (1992) 115–125
**Matos, A.C.,** Extrapolation algorithms based on the asymptotic expansion of the inverse of the error; application to continued fractions **32** (1–2) (1990) 179–190
**McCabe, J.H.,** see **Baltus, C.** **37** (1991) 57– 69
**McCabe, J.H.,** see **Jones, W.B.** **32** (1–2) (1990) 143–151
**McClure, J.P.** and **Wong, R.,** Asymptotic expansion of a quadruple integral involving a Bessel function **33** (2) (1990) 199–215
**McCormick, S.,** see **Liu, C.** **38** (1991) 283–295
**Meneguette, M.,** Chawla–Numerov method revisited (*Letter*) **36** (2) (1991) 247–250
**Meredith, D.** and **Rasmussen, H.,** Boundary approximation methods for potential problems associated with moving boundary problems **39** (2) (1992) 133–149

**Mian, G.A.**, see **Cortelazzo, G.** **34** (2) (1991) 145–160
**Miel, G.**, Trends in systolic and cellular computation **38** (1991) 297–321
**Miersemann, E.** and **Mittelmann, H.D.**, Stability and continuation of solutions to obstacle problems **35** (1991) 5–31
**Mitchell, W.F.**, Adaptive refinement for arbitrary finite-element spaces with hierarchical bases **36** (1) (1991) 65–78
**Mittelmann, H.D.**, see **Miersemann, E.** **35** (1991) 5–31
**Miyahiro, E.**, see **Noda, M.-T.** **40** (3) (1992) 259–268
**Miyakoda, T.**, Balanced convergence of iterative methods to a multiple zero of a complex polynomial **39** (2) (1992) 201–212
**Mohd, I.B.**, An interval global optimization algorithm for a class of functions with several variables **31** (3) (1990) 373–382
**Morandi Cecchi, M.** and **Redivo Zaglia, M.**, Mathematical programming techniques to solve biharmonic problems by a recursive projection algorithm **32** (1–2) (1990) 191–201
**Moret, I.**, A method for the computation of nonsimple turning points corresponding to cusps **40** (3) (1992) 269–284
**Mori, M.**, see **Fujino, S.** **38** (1991) 125–136
**Mori, M.**, see **Ooura, T.** **38** (1991) 353–360
**Mori, M.**, see **Sugihara, M.** **35** (1991) 33–51
**Mühlbach, G.**, On interpolation by rational functions with prescribed poles with applications to multivariate interpolation **32** (1–2) (1990) 203–216

**Nagurney, A.** and **Zhao, L.**, Disequilibrium and variational inequalities **33** (2) (1990) 181–198
**Nakao, M.T.**, Solving nonlinear parabolic problems with result verification. Part I: One-space dimensional case **38** (1991) 323–334
**Nanthakumar, A.**, see **Dargahi-Noubary, G.R.** **40** (1) (1992) 43–53
**Nardin, M., Perger, W.F.** and **Bhalla, A.**, Numerical evaluation of the confluent hypergeometric function for complex arguments of large magnitudes **39** (2) (1992) 193–200
**Navarro, E.**, see **Jódar, L.** **36** (2) (1991) 265–271
**Navarro, E.**, see **Jódar, L.** **39** (1) (1992) 115–119
**Neuhauser, C.**, see **Bramson, M.** **40** (2) (1992) 157–161
**Neumann, M.**, see **Hadjidimos, A.** **33** (1) (1990) 35–52
**Neunzert, H.**, see **Babovsky, H.** **31** (1) (1990) 15–22
**Nevai, P.**, see **Mastroianni, G.** **34** (3) (1991) 385–396
**Newton, P.K.**, Letter **36** (2) (1991) 273
**Ng, E.**, see **Kahaner, D.K.** **38** (1991) 231–253
**Niederreiter, H.**, Statistical independence properties of pseudorandom vectors produced by matrix generators **31** (1) (1990) 139–151
**Niederreiter, H.**, see **Eichenauer-Herrmann, J.** **31** (1) (1990) 81–85
**Niederreiter, H.**, see **Eichenauer-Herrmann, J.** **34** (2) (1991) 243–249
**Njåstad, O.**, see **González-Vera, P.** **32** (1–2) (1990) 97–105
**Njåstad, O.**, see **González-Vera, P.** **32** (1–2) (1990) 107–116

**Njåstad, O.**, see **Jones, W.B.** **32** (3) (1990) 387–406
**Noda, M.-T.** and **Miyahiro, E.**, A hybrid approach for the integration of a rational function **40** (3) (1992) 259–268
**Noda, M.-T.** and **Sasaki, T.**, Approximate GCD and its application to ill-conditioned algebraic equations **38** (1991) 335–351

**Oden, J.T.**, see **Demkowicz, L.** **36** (1) (1991) 29– 63
**Ogawa, S.**, see **Arai, N.** **35** (1991) 99–108
**Olde Daalhuis, A.B.**, see **Temme, N.M.** **31** (3) (1990) 383–387
**Onishi, K.**, see **Iso, Y.** **38** (1991) 201–209
**Onofri, E.**, see **Maraner, P.** **37** (1991) 209–219
**Oura, T.** and **Mori, M.**, The double exponential formula for oscillatory functions over the half infinite interval **38** (1991) 353–360
**Osada, N.**, Accelerable subsets of logarithmic sequences **32** (1–2) (1990) 217–227
**Osada, N.**, Acceleration methods for vector sequences **38** (1991) 361–371
**Oyanagi, Y.**, see **Sugihara, M.** **35** (1991) 33– 51
**Ozis, T.**, On the existence and uniqueness of a weak solution of a nonsteady transient free-boundary problem in porous media **34** (1) (1991) 33– 39
**Ozis, T.**, An efficient approach to the solution of the two-dimensional electrochemical machining problem **36** (2) (1991) 239–246
**Ozis, T.**, The extension of Picard's successive approximation for constructing two-side bounds for the solutions of differential equations **39** (1) (1992) 7– 14

**Panyukov, A.V.** and **Pelzwerger, B.V.**, Polynomial algorithms to finite Veber problem for a tree network **35** (1991) 291–296
**Papamichael, N., Saff, E.B.** and **Gong, J.**, Asymptotic behaviour of zeros of Bieberbach polynomials **34** (3) (1991) 325–342
**Parlett, B.N.**, Symmetric matrix pencils **38** (1991) 373–385
**Paszkowski, S.**, Hermite–Padé approximation (basic notions and theorems) **32** (1–2) (1990) 229–236
**Paszkowski, S.**, An application of Chebyshev polynomials to a problem of electrical engineering **37** (1991) 5– 17
**Paszkowski, S.**, see **Brezinski, C.** **38** (1991) 45– 59
**Pearson, J.M.**, see **Lloyd, N.G.** **40** (3) (1992) 323–336
**Pelzwerger, B.V.**, see **Panyukov, A.V.** **35** (1991) 291–296
**Pérez-Acosta, F., Casasús, L.** and **Hayek, N.**, Rational collocation for linear boundary value problems **33** (3) (1990) 297–305
**Perger, W.F.**, see **Nardin, M.** **39** (2) (1992) 193–200
**Perlstadt, M.A.**, Restricted polynomial expansions and approximation **40** (1) (1992) 127–135
**Peterson, E.L.**, see **Fang, S.C.** **39** (2) (1992) 165–178
**Petković, M.** and **Herceg, D.**, Higher-order iterative methods for approximating zeros of analytic functions **39** (2) (1992) 243–258

**Pfeifer, E.,** Interpolation with exponentially fitted second-order $C^1$-spline functions (*Letter*) **34** (1) (1991) 119–124
**Phillips, T.N.,** see **Karageorghis, A.** **33** (2) (1990) 141–155
**Plecháč, P.,** see **Janovský, V.** **36** (3) (1991) 349–359
**Polupanov, A.F.,** see **Galiev, V.I.** **39** (2) (1992) 151–163
**Prevost, M.,** Approximation of weight function and approached Padé approximants **32** (1–2) (1990) 237–252
**Pryce, J.D.,** see **Marletta, M.** **39** (1) (1992) 57– 78
**Ptak, M., Rutkowska, A.** and **Szczurek, J.,** A note on inverses of power series (*Letter*) **39** (1) (1992) 95–101

**Rabinowitz, P.,** Numerical integration based on approximating splines **33** (1) (1990) 73– 83
**Rabinowitz, P.** and **Smith, W.E.,** Interpolatory product integration in the presence of singularities: $L_2$ theory **39** (1) (1992) 79– 87
**Radoux, C.,** Some congruences and identities for Gauss polynomials: a noncommutative technique **37** (1991) 19– 25
**Rajasekera, J.R.,** see **Fang, S.C.** **39** (2) (1992) 165–178
**Rández, L.,** On the simultaneous numerical integration of an IVP and its associated variational equation (*Letter*) **39** (1) (1992) 103–108
**Rasmussen, H.,** see **Meredith, D.** **39** (2) (1992) 133–149
**Redivo Zaglia, M.,** see **Morandi Cecchi, M.** **32** (1–2) (1990) 191–201
**Rios Neto, A.,** see **De Freitas Pinto, R.L.U.** **33** (3) (1990) 261–268
**Ripley, B.D.,** Thoughts on pseudorandom number generators **31** (1) (1990) 153–163
**Ripley, B.D.** and **Kirkland, M.D.,** Iterative simulation methods **31** (1) (1990) 165–172
**Rippa, S.,** see **Dyn, N.** **39** (2) (1992) 179–192
**Rivara, M.-C.,** Local modification of meshes for adaptive and/or multigrid finite-element methods **36** (1) (1991) 79– 89
**Robertson, J.B.,** see **Gross, A.** **40** (2) (1992) 163–175
**Rodriguez, G.** and **Seatzu, S.,** Numerical solution of the finite moment problem in a reproducing kernel Hilbert space **33** (3) (1990) 233–244
**Rohwer, C.H.** and **Toerien, L.M.,** Locally monotone robust approximation of sequences **36** (3) (1991) 399–408
**Romerio, M.V.,** see **Descloux, J.** **38** (1991) 77– 85
**Ronveaux, A., Belmehdi, S.** and **Marcellán, F.,** Orthogonality with respect to the sum of two semiclassical regular linear forms **37** (1991) 265–272
**Ronveaux, A.,** see **Zarzo, A.** **33** (1) (1990) 85– 96
**Rubio, J.E.,** see **Butt, R.** **40** (1) (1992) 1– 17
**Russo, E.,** see **Brunner, H.** **34** (2) (1991) 211–219
**Rust, W.,** see **Stein, E.** **36** (1) (1991) 107–129
**Rutkowska, A.,** see **Ptak, M.** **39** (1) (1992) 95–101

**Saadallah, A.F.,** A rational gradient model for minimization **39** (3) (1992) 277–286
**Saadallah, A.F.,** see **Ford, J.A.** **35** (1991) 197–206

**Sacripante, L.,** see **Gabutti, B.** **34** (2) (1991) 191–200
**Sadok, H.,** see **Jbilou, Kh.** **36** (3) (1991) 385–398
**Saff, E.B.,** see **Graves-Morris, P.R.** **34** (3) (1991) 315–324
**Saff, E.B.,** see **Jones, W.B.** **32** (3) (1990) 387–406
**Saff, E.B.,** see **Papamichael, N.** **34** (3) (1991) 325–342
**Sagara, N.** and **Fukushima, M.,** A hybrid method for the nonlinear least squares problem with simple bounds **36** (2) (1991) 149–157
**Sakaguchi, S.,** see **Arai, N.** **35** (1991) 99–108
**Sakurai, T., Torii, T.** and **Sugiura, H.,** A high-order iterative formula for simultaneous determination of zeros of a polynomial **38** (1991) 387–397
**Sallam, S.,** see **El Tarazi, M.N.** **33** (3) (1990) 307–314
**Santi, E.,** see **Dagnino, C.** **33** (2) (1990) 133–140
**Santi, E.,** see **Dagnino, C.** **36** (2) (1991) 181–187
**Sasaki, T.,** see **Noda, M.-T.** **38** (1991) 335–351
**Sauter, S.,** The ILU method for finite-element discretizations **36** (1) (1991) 91–106
**Schiesser, W.E.,** see **Kahaner, D.K.** **38** (1991) 231–253
**Schmeiser, B.** and **Kachitvichyanukul, V.,** Noninverse correlation induction: guidelines for algorithm development **31** (1) (1990) 173–180
**Seatzu, S.,** see **Rodriguez, G.** **33** (3) (1990) 233–244
**Sedogbo, G.A.,** Convergence acceleration of some logarithmic sequences **32** (1–2) (1990) 253–260
**Sesma, J.,** see **Cruz, A.** **37** (1991) 89–99
**Sezgin, F.,** Some comments on computer implementation of random number generators (*Letter*) **39** (3) (1992) 383–386
**Shparlinski, I.E.,** see **Galiev, V.I.** **39** (2) (1992) 151–163
**Siafarikas, P.D.,** see **Kokologiannaki, C.G.** **40** (3) (1992) 337–344
**Sidi, A.,** Efficient implementation of minimal polynomial and reduced rank extrapolation methods **36** (3) (1991) 305–337
**Sidi, A.** and **Ford, W.F.,** Quotient-difference type generalizations of the power method and their analysis **32** (1–2) (1990) 261–272
**Simos, T.E.,** Explicit two-step methods with minimal phase-lag for the numerical integration of special second-order initial-value problems and their application to the one-dimensional Schrödinger equation (*Letter*) **39** (1) (1992) 89–94
**Singh, A.,** A numerical method for singularly perturbed systems of linear two-point boundary-value problems using partial decoupling **40** (1) (1992) 55–62
**Sloan, D.M.,** Fourier pseudospectral solution of the regularised long wave equation **36** (2) (1991) 159–179
**Smith, H.V.,** An algebraic study of an extension of a class of quadrature formulae **37** (1991) 27–33
**Smith, W.E.,** see **Rabinowitz, P.** **39** (1) (1992) 79–87
**Soesianto, F.,** see **Hart, W.E.** **40** (3) (1992) 285–296

**Solak, W.** and **Szydełko, Z.,** Quadrature rules with Gregory–Laplace end corrections (*Letter*) **36** (2) (1991) 251–253
**Sørevik, T.,** see **Berntsen, J.** **35** (1991) 119–132
**Srivastava, H.M.,** see **Grosjean, C.C.** **37** (1991) 287–299
**Stadlober, E.,** The ratio of uniforms approach for generating discrete random variates **31** (1) (1990) 181–189
**Stein, E.** and **Rust, W.,** Mesh adaptations for linear 2D finite-element discretizations in structural mechanics, especially in thin shell analysis **36** (1) (1991) 107–129
**Steinacker, U., Leubner, C.** and **Kalla, S.L.,** Uniform asymptotic expansions of a class of integrals with finite endpoints of integration on the same path of steepest descent and with nearby saddle points **35** (1991) 297–301
**Stens, R.L.,** see **Jansche, S.** **40** (2) (1992) 199–213
**Stephan, E.P.,** see **Hsiao, G.C.** **34** (1) (1991) 1– 19
**Stewart, K.,** A model for stability of the semi-implicit backward differentiation formulas **33** (3) (1990) 245–259
**Struckmeier, J.,** see **Babovsky, H.** **31** (1) (1990) 15– 22
**Stys, K.,** see **Stys, T.** **34** (2) (1991) 221–231
**Stys, T.** and **Stys, K.,** $O(h^4)$ locally overconvergent semidiscrete scheme for the equation $u_t = u_{xx} + f(t, x, u)$ **34** (2) (1991) 221–231
**Sugihara, M., Oyanagi, Y., Mori, M.** and **Fujino, S.,** On the efficiency of a SOR-like method suited to vector processors **35** (1991) 33– 51
**Sugiura, H.** and **Torii, T.,** A method for constructing generalized Runge–Kutta methods **38** (1991) 399–410
**Sugiura, H.,** see **Sakurai, T.** **38** (1991) 387–397
**Suri, M.,** On the robustness of the *h*- and *p*-versions of the finite-element method **35** (1991) 303–310
**Szczurek, J.,** see **Ptak, M.** **39** (1) (1992) 95–101
**Szydełko, Z.,** see **Solak, W.** **36** (2) (1991) 251–253

**Tabata, M.** and **Fujima, S.,** Finite-element analysis of high Reynolds number flows past a circular cylinder **38** (1991) 411–424
**Takeuchi, T.,** see **Fujino, S.** **38** (1991) 125–136
**Taksar, M.I.,** Skorohod problems with nonsmooth boundary conditions **40** (2) (1992) 233–251
**Taksar, M.I.** and **Grassmann, W.K.,** Probabilistic approach to computational algorithms for finding stationary distributions of Markov chains **36** (2) (1991) 131–136
**Ta Phuoc Loc,** see **Troff, B.** **35** (1991) 311–318
**Tecchiolli, G.P.,** see **Maraner, P.** **37** (1991) 209–219
**Temme, N.M.** and **Olde Daalhuis, A.B.,** Uniform asymptotic approximation of Fermi–Dirac integrals **31** (3) (1990) 383–387
**Thompson, S.,** Stepsize control for delay differential equations using continuously imbedded Runge–Kutta methods of Sarafyan **31** (2) (1990) 267–275

**Thompson, S.**, see **Kahaner, D.K.** **38** (1991) 231–253
**Thron, W.J.**, Order and type of entire functions arising from separately convergent continued fractions **32** (1–2) (1990) 273–279
**Thron, W.J.**, see **Cooper, S.C.** **32** (1–2) (1990) 39– 46
**Tichy, R.F.**, Random points in the cube and on the sphere with applications to numerical analysis **31** (1) (1990) 191–197
**Tietz, H.**, see **Boos, J.** **40** (2) (1992) 151–155
**Toerien, L.M.**, see **Rohwer, C.H.** **36** (3) (1991) 399–408
**Topuzoğlu, A.**, see **Eichenauer-Herrmann, J.** **31** (1) (1990) 81– 85
**Topuzoğlu, A.**, see **Eichenauer-Herrmann, J.** **31** (1) (1990) 87– 96
**Torii, T.**, see **Hasegawa, T.** **38** (1991) 157–168
**Torii, T.**, see **Sakurai, T.** **38** (1991) 387–397
**Torii, T.**, see **Sugiura, H.** **38** (1991) 399–410
**Trench, W.F.**, Explicit weighting coefficients for predicting ARMA time series from the finite past **34** (2) (1991) 251–262
**Trench, W.F.**, Mild integrability conditions for global solutions of an elliptic equation **39** (1) (1992) 39– 48
**Trigo, M.E.**, see **Herceg, D.** **33** (2) (1990) 123–132
**Troff, B.**, **Lê, T.H.** and **Ta Phuoc Loc**, A numerical method for the three-dimensional unsteady incompressible Navier–Stokes equations **35** (1991) 311–318
**Trystram, D.**, see **Laurent-Gengoux, P.** **32** (3) (1990) 417–422
**Tveito, A.**, see **Bruaset, A.M.** **39** (3) (1992) 259–275
**Twizell, E.H.** and **Matar, S.A.**, Numerical methods for computing the eigenvalues of linear fourth-order boundary-value problems **40** (1) (1992) 115–125
**Twizell, E.H.**, see **Boutayeb, A.** **35** (1991) 133–138

**Ushijima, T.**, Computational aspect of linear water wave problem **38** (1991) 425–445

**Van Assche, W.**, Orthogonal polynomials, associated polynomials and functions of the second kind **37** (1991) 237–249
**Van Barel, M.** and **Bultheel, A.**, A new approach to the rational interpolation problem **32** (1–2) (1990) 281–289
**Van Barel, M.** and **Bultheel, A.**, A new approach to the rational interpolation problem: the vector case **33** (3) (1990) 331–346
**Van Barel, M.**, see **Bultheel, A.** **32** (1–2) (1990) 27– 37
**Vanden Berghe, G.** and **De Meyer, H.**, On a correction of Numerov-like eigenvalue approximations for Sturm–Liouville problems **37** (1991) 179–186
**Vanden Berghe, G.**, **De Meyer, H.** and **Vanthournout, J.**, On a class of modified Newton–Cotes quadrature formulae based upon mixed-type interpolation **31** (3) (1990) 331–349
**Vanden Berghe, G.**, see **De Meyer, H.** **32** (3) (1990) 407–415

**Van Den Broeck, J., Broeckx, F.** and **Kaufman, L.**, Decomposing stochastic frontier efficiency into secular and organisational efficiency — **37** (1991) 251–264
**Vanderbauwhede, A.**, see **De Meyer, H.** — **32** (3) (1990) 407–415
**Van der Jeugt, J.**, see **Fack, V.** — **37** (1991) 187–194
**Van der Jeugt, J.**, see **Hughes, J.W.B.** — **37** (1991) 81– 88
**Vander Straeten, M.** and **Van de Vel, H.**, Multiple root-finding methods — **40** (1) (1992) 105–114
**Van de Vel, H.**, see **Vander Straeten, M.** — **40** (1) (1992) 105–114
**Van Huffel, S.**, Partial singular value decomposition algorithm (*Algorithm 32*) — **33** (1) (1990) 105–112
**Van Huffel, S.**, Partial total least squares algorithm (*Algorithm 33*) — **33** (1) (1990) 113–121
**Vanthournout, J.**, see **De Meyer, H.** — **32** (3) (1990) 407–415
**Vanthournout, J.**, see **Vanden Berghe, G.** — **31** (3) (1990) 331–349
**Vasudeva Murthy, A.S.** and **Verwer, J.G.**, Solving parabolic integro-differential equations by an explicit integration method (*Letter*) — **39** (1) (1992) 121–132
**Vecchio, A.**, see **Brunner, H.** — **34** (2) (1991) 211–219
**Venturino, E.**, The Galerkin method for singular integral equations revisited — **40** (1) (1992) 91–103
**Vermiglio, R.**, see **Bellen, A.** — **31** (2) (1990) 277–293
**Verwer, J.G.**, see **Vasudeva Murthy, A.S.** — **39** (1) (1992) 121–132
**Vidrascu, M.**, see **Le Tallec, P.** — **34** (1) (1991) 93–117
**Volk, W.**, Making the difference interpolation method for splines more stable — **33** (1) (1990) 53– 59

**Waadeland, H.**, Boundary version of a twin region convergence theorem for continued fractions — **36** (3) (1991) 361–369
**Wada, Y.**, see **Arai, N.** — **35** (1991) 99–108
**Waksman, Z.**, see **Galperin, A.** — **35** (1991) 207–215
**Wallin, H.**, see **Cala Rodriguez, F.** — **39** (1) (1992) 15– 21
**Wallin, H.**, see **Karlberg, L.** — **32** (1–2) (1990) 153–157
**Walz, G.**, see **Brezinski, C.** — **34** (3) (1991) 361–383
**Wang, C.-F.**, see **Allgower, E.L.** — **38** (1991) 1– 16
**Wang, D.** and **Zhao, F.**, On the determination of the safe initial approximation for the Durand–Kerner algorithm — **38** (1991) 447–456
**Wazwaz, A.-M.**, On the asymptotic solutions of a differential equation with multiple singular points — **34** (1) (1991) 65– 74
**Wendland, W.L.**, see **Hsiao, G.C.** — **34** (1) (1991) 1– 19
**Weniger, E.J.**, On the summation of some divergent hypergeometric series and related perturbation expansions — **32** (1–2) (1990) 291–300
**Wenston, P.R.**, see **Lether, F.G.** — **34** (1) (1991) 75– 92
**Wick, J.**, A point method for a semi-conductor equation — **31** (1) (1990) 199–203
**Widmann, R.**, see **Allgower, E.L.** — **38** (1991) 17– 29

**Wiesen, B.**, see **Babovsky, H.** **31** (1) (1990) 15– 22
**Wimp, J.**, Pollaczek polynomials and Padé approximants: some closed-form expressions **32** (1–2) (1990) 301–310
**Wimp, J.**, Current trends in asymptotics: some problems and some solutions **35** (1991) 53– 79
**Wong, R.**, see **McClure, J.P.** **33** (2) (1990) 199–215
**Wong, Y.S.**, see **Jiang, H.** **36** (2) (1991) 209–226
**Wood, A.S.**, A note on the use of the isotherm migration method **36** (3) (1991) 371–384
**Wyshinski, N.J.**, see **Jones, W.B.** **32** (1–2) (1990) 143–151

**Xu, Z.**, see **You, Z.** **38** (1991) 457–471

**Yamamoto, T.**, see **Chen, X.** **38** (1991) 61– 75
**Yeyios, A.K.**, On two sequences of algorithms for approximating square roots **40** (1) (1992) 63– 72
**You, Z.** and **Xu, Z.**, Ball algorithms for constructing solutions of nonlinear operator equations **38** (1991) 457–471

**Zarzo, A., Dehesa, J.S.** and **Ronveaux, A.**, Newton sum rules of zeros of semiclassical orthogonal polynomials **33** (1) (1990) 85– 96
**Zarzo, A.**, see **Arriola, E.R.** **37** (1991) 161–169
**Zeilberger, D.**, A holonomic systems approach to special functions identities **32** (3) (1990) 321–368
**Zeilberger, D.**, Gauss's ${}_2F_1(1)$ cannot be generalized to ${}_2F_1(x)$ (*Letter*) **39** (3) (1992) 379–382
**Zennaro, M.**, see **Bellen, A.** **31** (2) (1990) 277–293
**Zhang, J.-W.**, A parametric study of pinched orthotropic cylindrical shells **35** (1991) 319–330
**Zhao, F.**, see **Wang, D.** **38** (1991) 447–456
**Zhao, L.**, see **Nagurney, A.** **33** (2) (1990) 181–198
**Zhu, H.**, A note about power-boundedness of interval matrices (*Letter*) **31** (2) (1990) 295–298
**Zhu, H.**, Fast methods for computing the values of the derivatives of a rational function (*Letter*) **39** (3) (1992) 387–391
**Zieliński, R.**, An aperiodic pseudorandom number generator **31** (1) (1990) 205–210
**Zisis, V.A.** and **Ladopoulos, E.G.**, Two-dimensional singular integral equations exact solutions **31** (2) (1990) 227–232